



UN 38.3 Lithium Ion Battery Test Summary

Cell, Battery or Product Model Number

Item number: 88625

Item description: BATTERY-LI ION, 60V 2.5 AH [135Wh]

Cell, battery or product manufacturer’s contact information

Name: The Toro Company

Address: 8111 Lyndale Avenue South

City: Bloomington **State:** Minnesota **ZIP:** 55420-1196 **Country:** USA

Telephone: (952) 888-8801

Email: HealthandSafety@toro.com

Website: https://www.toro.com/

Test Laboratory

Name: Shanghai Research Institute of Chemical Industry Testing

Address: No. 345 East Yun Ling Road

City: Shanghai **State:** **ZIP:** 200062 **Country:** P. R. China

Telephone: 86-21-31765555

Email: battery@ghs.cn

Website: http://www.ghs.cn

Cell or Battery Description

Cell or Battery: 60 V / 2.5 Ah

Cell or Battery Type: Lithium Ion

Watt-hour Rating or Lithium Content: 135 Wh

Complete Cell or Battery Weight: 1430 g

Unique Test Report ID Number:

Serial range	Test Report #	Report date
Up to 320048010	1119030234	04/23/2019
320048010 and up	1120040320	04/17/2020

Physical Description: Red cover w/ black handle. 15 cells (green color) 15 series / 1 parallel

Finished Assembly: W: 151 mm H: 203 mm L: 86 mm

List of Tests Completed

YES	NO		Pass	Fail	Additional comments (or indicate compliance with other stds.)
X		Test T.1: Altitude simulation	X		38.3.4.1 T1
X		Test T.2: Thermal test	X		38.3.4.2 T2
X		Test T.3: Vibration	X		38.3.4.3 T3
X		Test T.4: Shock	X		38.3.4.4 T4
X		Test T.5: External short circuit	X		38.3.4.5 T5
X		Test T.6: Impact/ Crush	X		38.3.4.6 T6
X		Test T.7: Overcharge	X		38.3.4.7 T7
X		Test T.8: Forced discharge	X		38.3.4.8 T8
Assembled Battery Testing requirements:					Per 38.3.3 (f)
Revision level and Amendments of UN Manual:					UN Manual Test and Criteria Revision 6, Amendment 1

Signature with name and title of signatory as an indication of the validity of information provided:

Rolfe Otterness, Principal Standards Engineer, The Toro Company

Date: November 15, 2021